

+

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible][illegible]

Examiner Signature	<i>Thaddeus M. Gault</i>	Date Considered	<i>12/21/04</i>
-----------------------	--------------------------	--------------------	-----------------

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → +

PTO/SB/088 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Compleat If Known	
		Application Number	Not yet assigned
		Filing Date	August 20, 2003
		First Named Inventor	Walton
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Sheet 2	of 2	Attorney Docket Number	NC 84,613

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
[Signature]		MEGER et al, "Bemed-Generated Plasmas for Processing Applications", Amer. Inst. of Physics, May 2001, Vol. 8 No. 5, pp. 2558-2564	
[Signature]		LEONHARDT et al, "Plasma Diagnostic in Large area Plasma Processing System", Journal of Vacuum Science & Tech., July 2001, Vol. 19 No. 4, pp. 1367-1373	
[Signature]		WALTON et al, "Ion Energy Distribution in a Pulsed, Electron Beam-Generated Plasma", Journal of Vacuum Science & Tech., July 2001, Vol 19 No. 4, pp. 1325-1329	
[Signature]		MANHEIMER et al, "Theoretical Overview of the Large-Area Plasma Processing System (LAPPS)", Plasma Sources Science Technology, 2000, Vol 9, pp. 370-386	
[Signature]		FERNSLER et al, "Production of Large-Area Plasmas by Electron Beams", Amer. Inst. of Physics, May 1998, Vol5 No. 5, pp. 2137-2143	

Examiner Signature Rodney Mc Donnell	Date Considered 12/21/09
---------------------------------------------------------------------------------	---------------------------------------------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031.
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Complete If Known

(use as many sheets as necessary)

Sheet 1 of 2

Application Number	10/644,567
Filing Date	August 20, 2003
First Named Inventor	Walton et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	84.613

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Rodney McDonald

Date Considered

12/21/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

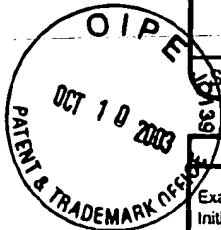
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/644,567
Filing Date	August 20, 2003
First Named Inventor	Walton et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	84,613



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>JS</i>		R. F. FERNSLER ET AL., "Production of large-area plasmas by electron beams," Phys. Plasmas, 1998, 5, 2137-2143	
		WALLACE M. MANHEIMER ET AL., "Theoretical overview of the large-area plasma processing system (LAPPS)," Plasma Sources Sci. Technol. 2000, 9, 370-386	
		S. G. WALTON ET AL., "Ion energy distributions in a pulsed, electron beam-generated plasma," J. Vac. Sci. Technol. A, 2001, 19(4), 1325-1329	
		D. LEONHARDT ET AL., "Plasma diagnostics in large area plasma processing system," J. Vac. Sci. Technol. A, 2001, 19(4), 1367-1373	
		R. A. MEGER ET AL., "Beam-generated plasmas for processing applications," Phys Plasmas, 2001, 8, 2558-2564	
<i>JS</i>		KARL-HEINZ MULLER, "Stress and microstructure of sputter-deposited thin films: Molecular dynamics investigations," J. Appl. Phys., 1987, 62, 1796-1799	

Examiner
Signature

Robert M. Daulton

Date
Considered

12/21/04

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.